

Listing of Claims

1. - 39. (Canceled)

40. (Currently Amended) A method of identifying an agent that decreases ~~pathogenicity of a retrovirus, the method viral infection~~ comprising:
administering a test agent to a cell containing Rab11A;
contacting the cell with a virus;
detecting a level of viral infection; a test agent with a Rab11A gene product; and
associating the level of viral infection with Rab11A gene expression or Rab11A activity,
wherein a decrease in viral infection associated with a decrease of Rab11A gene expression,
Rab11A activity, or a combination thereof indicates that the test agent is an agent that decreases
viral infection~~determining whether the test agent decreases Rab11A enzymatic activity, wherein~~
~~a decrease in Rab11A enzymatic activity, indicates the agent decreases pathogenicity of the~~
~~retrovirus.~~

41. - 61. (Canceled)

62. (New) The method of claim 40, wherein the activity is Rab11a enzymatic activity.

63. (New) The method of claim 40, wherein the virus is a retrovirus.

64. (New) A method of identifying an agent that binds to Rab11A, comprising:

contacting the agent with Rab11A; and

detecting binding of the agent to Rab11A, thereby identifying the agent as a Rab11A
binding agent.

65. (New) The method of claim 64, further comprising testing the agent that binds to Rab11A in
an assay that determines the ability of the agent to decrease viral infection.